S&H Form: PTO/SB/05 (2/02)

UTILITY	Attorney Docket No. 1793.1046						
PATENT APPLICATION	First Named Inventor or Application Identifier:						
	Hyun-Kwon CHUNG et al						
TRANSMITTAL							
(Only for original applications)	Express Mail Label No.						
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent	ADDRESS TO: Commissioner for Patents						
application contents.	l m m a a a a a a						
	PO Box 1450 Alexandria, VA 22313-1450						
1. 🛛 Fee Transmittal Form	S						
2. Specification, Claims & Abstract[Total Page	es <u>: 18</u>]						
3. Drawing(s) (35 USC 113)[Total Shee	es: 18] ts: 9] [FIGS. 1A-D, 2A-B, and 3-10] s: _]						
4. Oath or Declaration							
5. Verified Statement Claiming Small Entity Status							
6. Application Data Sheet. See 37 C.F.R. 1.76							
7. \square Applicant claims foreign priority benefit to: $\boxed{2}$	Applicant claims foreign priority benefit to: Korean Patent Application Nos. 2002-63632, 2002-69592, and 2003-60246 filed on October 17, 2002, November 11, 2002, and August 29, 2003, respectively.						
8. CD-Rom or CD-R in duplicate, large table or Co	CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)						
 Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. ☐ Computer Readable Form (CRF) b. ☐ Specification Sequence Listing on: i. ☐ CD-ROM or CD-R (2 copies); or II. ☐ paper c. ☐ Statement verifying identity of above copies For publication of assignee information under 37 CFR 1.215(b), list the assignee as Samsung Electronics Co., Ltd. of Suwon-city, Republic of Korea. The Assignment papers will be filed later. 							
ACCOMPANYING APPLICATION PARTS 11. Assignment (cover sheet & document(s)) to San	nsung Electronics Co., Ltd. of Suwon-city, Republic of Korea						
for publication of assignee information unde							
12. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney							
13. English Translation Document (if applicable)							
14. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations							
15. Preliminary Amendment							
16. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)							
17.							
18. Request and Certification for Nonpublication under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form							
PTO/SB/35 or its equivalent							
19.							
20. CORRESPONDENCE ADDRESS							
21171 PATENT TRADEMARK OFFICE							

15915	
U.S.	

S&H Form (10/03)

FEE TRANSMITTAL	NEW APPLICATION			Attorney Docket No. 1793.1046						
AMOUNT ENCLOSED \$ 770.00 First Named Inventor Hyun-Kwon CHUNG et al	FEE TRANSMITTAL						ssigned			
AMOUNT ENCLOSED \$ 770.00 First Named Inventor Hyun-Kwon CHUNG et al						ber 16, 2003				
FEE CALCULATION (fees effective 10/01/03) CLAIMS	AMOUNT EN	CLOSED	\$	770.00	First Na	med In				
CLAIMS (1) FOR (2) NUMBER (3) NUMBER (4) RATE (5) CALCULATIONS FILED EXTRA TOTAL CLAIMS 12 - 20 = 0 X \$ 18.00 = \$ 0.00 INDEPENDENT 2 - 3 = 0 X \$ 86.00 = 0.00 INDEPENDENT 2 - 3 = 0 X \$ 86.00 = 0.00 CLAIMS MULTIPLE DEPENDENT CLAIMS (any number; + \$290.00 = 18.00 18.00 19.00	FEE CALCUL	ATION (fee	s effecti	ve 10/01/03)	4,		.,,			
TOTAL CLAIMS 12 - 20 = 0				(2) NUMBER			(4) RATE		(5) CALCULATIONS	
CLAIMS MULTIPLE DEPENDENT CLAIMS (any number; if applicable) BASIC FILING 770.00 FEE Total of above Calculations = Surcharge for late filling fee, Oath or Declaration (37 CFR 1.53(f)) (\$130.00) Reduction by 50% for filing by small entity (37 CFR 1.27). TOTAL FILING 770.00 FEE Surcharge for filling non-English language application (\$130.00; 37 CFR 1.52(d)) Recordation of Assignment (\$40.00; 37 CFR 1.21(h)) TOTAL FEES \$ 770.00 DUE = TOTAL FEES \$ 770.00 DUE = TOTAL FEES \$ 770.00 DUE = TOTAL FEES DUE" to the Deposit Account No. below. No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date). GENERAL AUTHORIZATION If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPSs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP				12 - 20 =			X \$ 18.00 =		\$ 0.00	
if applicable) BASIC FILING 770.00 FEE			DENT	2 - 3=	0	0 X \$ 86.00 =		0.00		
FEE Total of above \$ 770.00 Calculations =			MULTIPLE DEPENDENT CLAIMS (any number; + \$290.00 =							
Calculations =		BASIC FILING								
(\$130.00) Reduction by 50% for filing by small entity (37 CFR 1.27). TOTAL FILING \$ 770.00 FEE = Surcharge for filing non-English language application (\$130.00; 37 CFR 1.52(d)) Recordation of Assignment (\$40.00; 37 CFR 1.21(h)) TOTAL FEES \$ 770.00 METHOD OF PAYMENT Check enclosed as payment. Charge "TOTAL FEES DUE" to the Deposit Account No. below. No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date). GENERAL AUTHORIZATION If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to: Deposit Account No. 19-3935 Deposit Account Name STAAS & HALSEY LLP The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP		1							\$ 770.00	
TOTAL FILING \$ 770.00 FEE = Surcharge for filing non-English language application (\$130.00; 37 CFR 1.52(d)) Recordation of Assignment (\$40.00; 37 CFR 1.21(h)) TOTAL FEES \$ 770.00 DUE = METHOD OF PAYMENT Check enclosed as payment. Charge "TOTAL FEES DUE" to the Deposit Account No. below. No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date). GENERAL AUTHORIZATION If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to: Deposit Account No. 19-3935 Deposit Account Name STAAS & HALSEY LLP The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP	(\$130.00)									
FEE =		Reduction	by 50%	for filing by sma	II entity (3	_				
Recordation of Assignment (\$40.00; 37 CFR 1.21(h))								\$ 770.00 		
METHOD OF PAYMENT ☐ Check enclosed as payment. ☐ Charge "TOTAL FEES DUE" to the Deposit Account No. below. No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date). GENERAL AUTHORIZATION ☐ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to: Deposit Account No. Deposit Account Name The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP										
METHOD OF PAYMENT Check enclosed as payment. Charge "TOTAL FEES DUE" to the Deposit Account No. below. No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date). GENERAL AUTHORIZATION If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to: Deposit Account No. 19-3935 Deposit Account Name STAAS & HALSEY LLP The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP		Recordation	n of Ass	signment (\$40.00); 37 CFR	1.21(h))			
Check enclosed as payment. Charge "TOTAL FEES DUE" to the Deposit Account No. below. No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date). GENERAL AUTHORIZATION If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to: Deposit Account No. Deposit Account Name STAAS & HALSEY LLP The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP		TOTAL FEES						\$ 770.00		
Charge "TOTAL FEES DUE" to the Deposit Account No. below. No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date). GENERAL AUTHORIZATION If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to: Deposit Account No. Deposit Account Name STAAS & HALSEY LLP The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP	METHOD OF	PAYMENT	- · · - ·							
No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date). GENERAL AUTHORIZATION If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to: Deposit Account No. Deposit Account Name STAAS & HALSEY LLP The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP	☐ Check e	enclosed as	paymen	t.		-				
GENERAL AUTHORIZATION If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to: Deposit Account No. Deposit Account Name STAAS & HALSEY LLP The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP				•						
If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to: Deposit Account No. Deposit Account Name STAAS & HALSEY LLP The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP										
authorized to credit any overpayment or charge any additional fees necessary to: Deposit Account No. Deposit Account Name STAAS & HALSEY LLP The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP										
Deposit Account Name STAAS & HALSEY LLP The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP	☐ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby									
The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP	i	Deposit Account No. 19-3935								
required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP	!	Deposit Account Name STAAS & HALSEY LLP								
prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP										
pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP										
continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. SUBMITTED BY: STAAS & HALSEY LLP										
such related application. SUBMITTED BY: STAAS & HALSEY LLP										
SUBMITTED BY: STAAS & HALSEY LLP										
	Typed Name						Reg. No	D.	34,172	
Signature ANA Diate 0ct-16, 2003	MM Ala:									